

In the Claims

Please amend claims 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14 as set forth below.

Please add claim 15 as set forth below.

A complete listing of all claims in this application is set forth below.

1. (Original) Peristaltic pump, with a rotor (3) received in a housing, which is provided with at least one rotatably supported conveyor roller (33a, 33b, 33c), as well as with a tubing holder (2) for receiving of at least one flexible tubing section (43) that is squeezable by the conveyor roller (33a, 33b, 33c) for peristaltically conveying a medium, characterized in that the tubing holder (2) is provided with a tubing bed body member (25) for receiving of at least one flexible tubing section (43), whereby the inlet and/or the outlet region (35,36) of the tubing bed body member (25) is designed such that the cross sectional area of the tubing relevant for the conveying is continuously decreased and increased, respectively, by the conveyor roller (33a, 33b, 33c) rolling over the particular tube section (43).

2. (Original) Pump according to claim 1, characterized in that the tubing bed body member (25), in the inlet region (35), passes over from the convex shape to a concave shape in a smooth transition, as seen in the sense of rotation.

3. (Currently Amended) Pump according to claim 1 ~~or~~ 2, characterized in that the tubing bed body member (25), in the outlet region (36), passes over from a concave shape to a convex shape in a smooth transition, as seen in the sense of rotation.

4. (Currently Amended) Pump according to claim 2, ~~one of the preceding~~  
~~claims~~, characterized in that at least two conveyor rollers (33a, 33b, 33c) are provided,  
and that, with regard to the axis of rotation of the rotor (3), the inlet region (35) is  
located with regard to the outlet region (36) such that, if one of the conveyor rollers  
(33a) is in the inlet region (35), another conveyor roller (33c) simultaneously is in the  
outlet region (36).

5. (Currently Amended) Pump according to claim 2 ~~one of the preceding~~  
~~claims~~, characterized in that the tubing bed body member is designed essentially in the  
shape of an omega.

6. (Currently Amended) Pump according to claim 2 ~~one of the preceding~~  
~~claims~~, characterized in that the tubing bed body member (25) at least partially and  
coaxially enlaces the rotor (3).

7. (Currently Amended) Pump according to claim 2 ~~one of the preceding~~  
~~claims~~, characterized in that the tubing bed body member (25), together with a support  
frame (1), constitutes the housing of the pump, whereby the tubing bed body member  
has two legs (2a, 2b) at its end which are resiliently elastic in radial direction and  
provided with notch elements, by means of which the tubing bed body member (25)  
can be snapped into cut-outs (13) on the support frame (1) in the sense of a snap-on  
connection.

8. (Currently Amended) Pump according to claim 2 ~~one of the preceding~~ ~~claims~~, characterized in that the tubing bed body member (25) is designed such that its dimensional stability and fixation at the support frame (1) is supported, in addition to the elastically resilient inherent tenseness of the legs (2a, 2b), by the mutual force action of the squeezed tubing section and the squeezed tubing sections (43), respectively.

9. (Currently Amended) Pump according to claim 2 ~~one of the preceding~~ ~~claims~~, characterized in that the tubing bed body member (25) is provided with a plurality of radially and/or axially extending reinforcing ribs (23, 24).

10. (Currently Amended) Pump according to claim 2 ~~one of the preceding~~ ~~claims~~, characterized in that the inner side of the tubing bed body member (25) is provided with a multitude of groove-like recesses (21) for receiving and guiding a plurality of tubing sections (43).

11. (Currently Amended) Pump according to claim 2 ~~one of the preceding~~ ~~claims~~, characterized in that the particular conveyor roller (33a, 33b, 33c) is in the shape of a barrel and extends in axial directions over the groove-like recesses (21).

12. (Currently Amended) Pump according to claim 2 ~~one of the preceding~~ ~~claims~~, characterized in that the particular tubing section is led into and out of the tubing bed body member (25) in substantially tangential direction.

13. (Currently Amended) Pump according to claim 2 ~~one of the preceding claims~~, characterized in that the rotor (3) is provided with at least two conveyor rollers (33a, 33b, 33c), and that the tubing bed body member (25) coaxially enlaces the rotor (3) by an amount of  $360^{\circ}$  divided by the number of conveyor rollers.

14. (Currently Amended) Pump according to claim 1 ~~one of the claims 1 to 12~~, characterized in that the rotor (3) is provided with three conveyor rollers (33a, 33b, 33c), and the inlet portion (35) is offset around the axis of rotation of the rotor (3) with regard to the outlet portion (36) by  $210^{\circ}$  to  $270^{\circ}$ , preferably by approximately  $240^{\circ}$ .

15. (New) Pump according to claim 2, characterized in that the tubing bed body member (25), in the outlet region (36), passes over from a concave shape to a convex shape in a smooth transition, as seen in the sense of rotation.